## We claim:

- 1. A combination grapple rake and subsoiling implement adapted for pivotal attachment to an excavating machine, comprising:
  - (a) a frame;
  - (b) a rake securely attached to said frame; and
  - (c) at least one shank socket affixed to said frame, said socket adapted to receive and secure a subsoiling shank having a substantially pointed earth-working end, and wherein said socket is further adapted to orient said shank in an operating position when the rake is substantially parallel to the ground.
- 2. The grapple rake of Claim 1, wherein said shank socket is adapted to receive at least one removable fastener for securing said subsoiling shank within said socket.
- 3. The grapple rake of Claim 1 having two of said shank sockets.
- 4. The grapple rake of Claim 1 and further comprising a coulter blade adjacent to said shank socket.
- 5. The grapple rake of Claim 1, and further comprising a subsoiling shank secured within said shank socket.
- 6. The grapple rake of Claim 5, wherein said subsoiling shank lies substantially in a plane and comprises at least one wing perpendicular to said plane.

- 7. The grapple rake of Claim 5 and further comprising a coulter blade adjacent to said shank socket and positioned between said subsoiler shank and said rake.
- 8. A method for conducting dissimilar soil management activities above and beneath the surface of the soil, comprising:
  - a. providing a combination grapple rake and subsoiler implement comprising a grapple rake and a subsoiler shank having an earth-working end, wherein said grapple rake and said earth-working end are disposed with respect to one another such that when the grapple rake is in an operable position for conducting a grapple rake activity, then the earthworking end for conducting a subsoiling activity is in an idle position, and vice versa;
  - b. operating said implement to employ said subsoiler shank to penetrate the soil to a predetermined depth and moving the earth-working end through said soil along a path in a plane beneath, and generally parallel to, the soil surface to thereby loosen the soil beneath said surface; and
  - c. operating said implement to employ said rake to move material over the surface of said loosened soil.
- 9. The method of Claim 8, wherein said plane is below a zone of soil compaction.

- 10. The method of Claim 8, wherein said material is organic material.
- 11. The method of Claim 8, wherein said combination grapple rake and subsoiler implement further comprises a coulter blade, and the method includes operating said implement against organic debris so as to shear said debris with said coulter blade.
- 12. The method of Claim 8, wherein said soil has a zone of hardpan or other compaction and said path is at a depth below said zone.
- 13. A method for preparing an area having soil compaction for reforestation in a single pass of heavy equipment over said area with an implement, comprising the steps of:
  - a. providing a combination grapple rake and subsoiler implement comprising a grapple rake and a subsoiler shank having an earth-working end, wherein said grapple rake and said earth-working end are disposed with respect to one another such that when the grapple rake is in an operable position for conducting a grapple rake activity, then the earthworking end is in an idle position for conducting a subsoiling activity, and vice versa;
  - b. operating said implement to employ said subsoiler shank to penetrate the soil in said area to a predetermined depth and moving the earth-working end through said soil along a path in a plane beneath, and

- generally parallel to, the soil surface to thereby loosen the soil beneath said surface; and
- c. operating said implement to employ said rake in said area to move material over the surface of said loosened soil.
- 14. The method of Claim 13, wherein said area of reforestation is selected from the group consisting of a road, a temporary road, a skid trail, a landing and a legacy compaction area.